

BILL NO. S-89-11- 06

SPECIAL ORDINANCE NO. S- 189-89

AN ORDINANCE approving the awarding of Reference #OPKD0046 by the City of Fort Wayne, Indiana, by and through its Department of Purchasing and HIGGINBOTTOM MANAGEMENT SERVICES for the Park Department.

NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA;

SECTION 1. That Reference #OPKD0046 between the City of Fort Wayne, by and through its Department of Purchasing and HIGGINBOTTOM MANAGEMENT SERVICES for the Park Department, respectfully for:

the purchase of selected grains for 1990 for the Park Department; involving a total cost of Twelve Thousand and no/100+/- Dollars (\$12,000.00+/-), all as more particularly set forth in said Reference #OPKD0046 which is on file in the Office of the Department of Purchasing, and is by reference incorporated herein, made a part hereof, and is hereby in all things ratified, confirmed and approved.

SECTION 2. That this Ordinance shall be in full force and effect from and after its passage and any and all necessary approval by the Mayor.

Mark E. Sizemore
Councilmember

APPROVED AS TO FORM
AND LEGALITY

J. Timothy McCaulay
J. Timothy McCaulay, City Attorney

The following food diets are needed to feed zoo animals from now through December 31, 1988.

<u>Item</u>	<u>Needed through Dec. 31, 1988</u>
HMS High Fiber Herbivore Diet 9033	11 tons
HMS Low Fiber Herbivore Diet 9034	16 tons
HMS High Fiber Primate Diet 9021	7,000 pounds
HMS Ratite Breeder 9035	6 tons
HMS Zoo Fowl Maintenance 9037	6 tons

In the following pages will be notes on vendor and product and minimum of ingredients and concentration of nutrients listed for each diet.

Recommended vendor: H.M.S.
1222 Echo Lane
Bluffton, IN 46714
219/824-5157

Note: Even though the amounts are in tons, only small portions of these products can be delivered at a time since animal food stored too long loses vitamins and nutrient potency. Lack of storage also precludes receiving smaller shipments. The grain should be in bags and not in bulk.

Justification of HMS Diets:

The HMS diet is the same diet that has been in use at the Fort Wayne Children's Zoo since the opening of the Veldt back in 1976. Originally it was produced by the Andersons then HMS got the rights to the formulas. These diets were formulated after much research by an eminent nutritionist from Michigan State, who remains as a consultant.

HMS is a member of the American Association of Zoological Parks and Aquariums, and makes and sells these diets for those keeping exotic animals. He does not cater to the pet industry. HMS is always concerned with our needs. He stops by and calls to ask how the animals are doing. Any problems are corrected immediately.

Concerning the diets themselves, "the proof is in the pudding," you might say. Our animals are in top notch condition, have good longevity, and produce strong healthy youngsters. Most of this can be contributed directly to the diets. Our continuing use of the same diet for several years is envied by other institutions.

Change in diets can cause palatability problems and obvious medical problems. This diet is the best we can do for our animals, as judged by the curators, veterinarian, but most importantly, the animals themselves.

Mark Weldon
Veldt Curator

HMS

ZOO FOWL MAINTENANCE 9037

A complete pelleted feed for the broad range of zoo fowl adult such as ducks, swans, geese, guans, pheasants, pea fowl, chickens, turkeys and other birds of this type. There is no antibiotic in this diet.

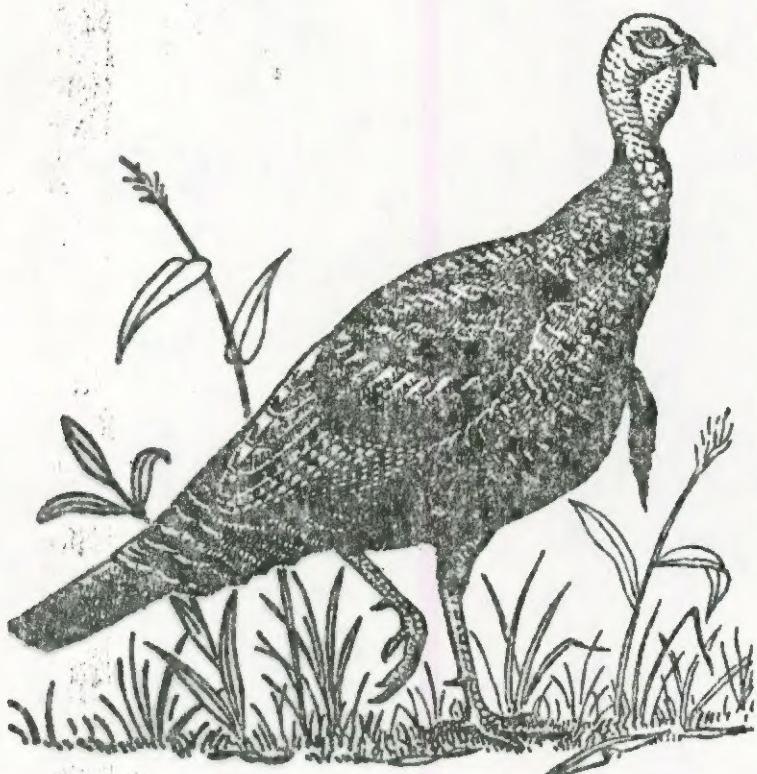
This diet is a maintenance-flight conditioner and can be used as a grower-developer if necessary.

INGREDIENTS

Ground Corn, 17% Dehy Alfalfa, Wheat Middlings, Vitamin Premix, Trace Mineral Premix, Soybean Oil, Soybean Oil Meal, 54% Meat Meal, Limestone, Salt, 21% Dical Phos, DL Methionine, Pyridox, Choline, Selenium, Vitamin E, Biotin, Vitamin D3, Thiamine, Folic acid, Calc Propionate.

Concentration Of Nutrients

Crude Protein.....	18.100%
Crude Fat.....	4.189%
Crude Fiber.....	4.445%
Ash.....	5.283%
NFE.....	54.099%
Lenolic Acid.....	2.036%
Metab Energy.....	2881.157 Cal/kg
Calcium.....	0.850%
Copper.....	40.382 ppm
Iodine.....	2.261 ppm
Iron.....	578.215 ppm
Magnesium.....	1742.883 ppm
Manganese.....	110.000 ppm
Potassium.....	0.807%
Selenium.....	0.200 ppm
Phosphorus.....	0.710%
Zinc.....	512.855 ppm
Sodium.....	0.148%
Vitamin D3.....	4.430 IU/g
Vitamin A.....	12.928 IU/g
Vitamin E.....	88.000 IU/kg
Vitamin K.....	19.305 IU/g
Biotin.....	0.272 mg/kg
Choline.....	1810.106 mg/kg
Folic Acid.....	1.850 mg/kg
Niacin.....	65.307 mg/kg
Pantothenic Acid....	37.150 mg/kg
Pyridoxine.....	8.510 mg/kg
Riboflavin.....	7.700 mg/kg
Thiamine.....	5.630 mg/kg
Vitamin B12.....	0.036 mg/kg



HMS

RATITE BREEDER

9035

A complete pelleted feed that successfully supports reproduction in ratites. It has been used for ostriches, rheas, emus and cassowaries.



INGREDIENTS

Grain Products, Processed
Grain By-Products, Molasses
Products, Plant Protein
Products, Animal Protein
Products, Dehydrated Alfalfa
preserved with BHA, Vegetable
Oil, Vitamin A Supplement,
D-activated Animal Sterol
(Source of Vitamin D3),
Menodine, Sodium Bisulfate
Complex, Niacin Supplement,
Calcium Pantothenate,
Riboflavin Supplement,
Pyridoxine Hydrochloride,
Biotin, Thiamine, Folic Acid,
Vitamin E Supplement, Vitamin
B12 Supplement,
Ethylenediamine Dihydriodide,
Calcium Propionate (a
preservative), Ground
Limestone, Calcium Phosphate,
Salt, and (trace minerals):
Manganese Oxide, Calcium
Iodate, Ferrous Sulfate,
Copper Sulfate, Zinc Oxide and
Sodium Selenite.

Concentration Of Nutrients

Crude Protein.....	18.100%
Crude Fat.....	4.161%
Crude Fiber.....	6.549%
Ash.....	11.144%
NFE.....	48.245%
Linoleic Acid.....	1.805%
Metab Energy.....	2516.591 Cal/kg
Calcium.....	2.700%
Copper.....	11.000 ppm
Iodine.....	2.000 ppm
Iron.....	185.519 ppm
Magnesium.....	1979.908 ppm
Manganese.....	110.000 ppm
Potassium.....	1.043%
Selenium.....	0.200 ppm
Phosphorus.....	0.750%
Zinc.....	139.700 ppm
Sodium.....	0.249%
Vitamin D.....	4.420 IU/g
Vitamin A.....	34.447 IU/g
Vitamin E.....	176.000 IU/kg
Vitamin K.....	17.622 IU/g
Biotin.....	0.110 mg/kg
Choline.....	1098.052 mg/kg
Folic Acid.....	1.100 mg/kg
Niacin.....	69.580 mg/kg
Pantothen Acid.....	38.799 mg/kg
Pyridoxine.....	2.200 mg/kg
Riboflavin.....	8.734 mg/kg
Thiamine.....	1.100 mg/kg
Vitamin B12.....	0.033 mg/kg

70.18

HMS

HIGH FIBER PRIMATE DIET 9021

This high fiber diet is designed to be fed as the sole source of nutrition. If other foodstuffs are included in the daily ration, at least 50% on a dry matter basis must come from the High Fiber Primate Diet 9021.

If "Zoo Salad" is to be used, it is suggested that high water, high carbohydrate produce such as bananas, grapes, and oranges be eliminated. Leafy fibrous produce such as kale, celery and lettuce would be the produce of choice.

HMS High Fiber Primate Diet is specific for all primate with the exception of marmosets and tamarins. Two flavors are currently available, banana and natural grain. The product is shipped in 25 lb bags.

It is recommended that this product be stored no more than 90 days at a time.

There is no wheat or wheat by products used in this product and all of the protein sources are vegetable. No animal product is used in the formulation.

INGREDIENTS

Ground Corn, Dehydrated Alfalfa, Corn Gluten, Soybean Meal, Soybean Oil, Ground Soybean Hulls, Limestone, Calc Iodate, Zinc Oxide, Salt, Manganese Oxide, Copper Sulfate, Iron Sulfate, Dicalcium Phosphate Choline Cl, Vitamin A, Selenium, Cal Pan, Niacin, Riboflavin, Vitamin E, Vitamin B12, Biotin, Vitamin D3, Thiamine, L-Lysine, Beet Pulp, Vitamin C, Sugar

Concentration Of Nutrients

Crude Protein.....	23.808%
Crude Fat.....	4.664%
Crude Fiber.....	8.963%
Ash.....	6.204%
NFE.....	32.697%
Metab Energy.....	2598.786 Cal/kg
Calcium.....	0.893%
Copper.....	11.800 ppm
Iodine.....	0.600 ppm
Iron.....	233.000 ppm
Magnesium.....	2305.335 ppm
Manganese.....	45.000 ppm
Potassium.....	0.840%
Selenium.....	0.200 ppm
Phosphorus.....	0.622%
Zinc.....	111.000 ppm
Sodium.....	0.204%
Vitamin D3.....	1.500 IU/g
Vitamin A.....	25.581 IU/g
Vitamin E.....	132.000 IU/kg
Biotin.....	0.090 mg/kg
Choline.....	1145.000 mg/kg
Niacin.....	46.000 mg/kg
Pantothenic.....	22.000 mg/kg
Riboflavin.....	9.000 mg/kg
Thiamine.....	4.000 mg/kg
Vitamin B12.....	0.024 mg/kg
Vitamin C.....	480.000 mg/kg

LOW FIBER HERBIVORE DIET 9034

A complete pelleted feed that supports satisfactory growth, reproduction and lactation. This diet is designed to be fed free choice as the sole ration to all exotic ungulates and selected marsupials such as kangaroo and wallabies during cooler seasons or cycles of life when higher energy intake is indicated. The basic difference between the High Fiber Herbivore 9033 and this diet is that the Low Fiber Herbivore 9034 is .08% higher in protein and 104.443 Cal/kg higher in energy. It is possible to switch from one of these diets to the other with little or no problem with digestion upset.

INGREDIENTS

Processed Grain By-Products, Molasses Products, Plant Protein Products, Dehydrated Alfalfa preserved with BHA, Vegetable Oil, Vitamin A Supplement, D-activated Animal Sterol (Source of Vitamin D3), Vitamin E Supplement, Vitamin B12 Supplement, Menodine Sodium Bisulfite Complex, Niacin Supplement, Calcium Pantothenate, Riboflavin Supplement, Ground Limestone, Calcium Phosphate, Salt, Zinc Oxide, and (trace

minerals): Manganese Oxide, Calcium Iodate, Ferrous Sulfate, Copper Sulfate, Zinc Sulfate, Cobalt Carbonate, and Sodium Selenite.

Concentration Of Nutrients

Crude Protein.....	17.20%	17.5
Crude Fat.....	4.156%	
Crude Fiber.....	13.093%	
Ash.....	7.184%	
NFE.....	47.833%	
Linoleic Acid.....	1.630%	
NDF.....	32.747%	
ADF.....	16.740%	
Metab Energy.....	1803.582	Cal/kg
TDN.....	67.806%	
NEM (Beef).....	153.632	Cal/kg
Calcium.....	0.682%	
Cobalt.....	0.220	ppm
Copper.....	12.356	ppm
Iodine.....	0.800	ppm
Iron.....	80.676	ppm
Magnesium.....	3117.400	ppm
Manganese.....	135.626	ppm
Potassium.....	1.629%	
Selenium.....	0.500	ppm
Phosphorus.....	0.640%	
Zinc.....	75.000	ppm
Sodium.....	0.239%	
Vitamin D3.....	1.560	IU/g
Vitamin A.....	71.586	IU/g
Vitamin E.....	200.000	IU/kg
Choline.....	1263.302	mg/kg
Niacin.....	93.119	mg/kg
Pantothenic.....	43.456	mg/kg
Riboflavin.....	9.280	mg/kg
Vitamin B12.....	0.026	mg/kg



HMS



HIGH FIBER HERBIVORE DIET 9033

A complete pelleted feed that supports satisfactory growth, reproduction and lactation. This diet is designed to be fed free choice as the sole ration to all exotic ungulates and selected marsupials such as kangaroo and wallabies during seasons or cycles of life when lower energy intake is indicated.

Concentration Of Nutrients

INGREDIENTS

Processed Grain By-Products, Molasses Products, Plant Protein Products, Dehydrated Alfalfa preserved with BHA, Vegetable Oil, Vitamin A Supplement, D-activated Animal Sterol (Source of Vitamin D3), Vitamin E Supplement, Vitamin B12 Supplement, Menodine Sodium Bisulfite Complex, Niacin Supplement, Calcium Pantothenate, Riboflavin Supplement, Zinc Oxide, Ground Limestone, Calcium Phosphate, Salt, and (trace minerals): Manganese Oxide, Calcium Iodate, Ferrous Sulfate, Zinc Sulfate, Cobalt Carbonate, and Sodium Selenite.

Crude Protein.....	16.400%	14.0M/1
Crude Fat.....	4.077%	
Crude Fiber.....	15.350%	MW
Ash.....	8.828%	8.5-10
NFE.....	45.820%	
Linoleic Acid.....	1.483%	
NDF.....	34.560%	
ADF.....	19.895%	
Metab Energy.....	1699.139 Cal/kg	
TDN.....	63.882%	
NEM (Beef).....	144.506 Cal/kg	
Calcium.....	1.023%	186M/1
Cobalt.....	0.220 ppm	
Copper.....	12.356 ppm	
Iodine.....	0.800 ppm	
Iron.....	129.871 ppm	2.00
Magnesium.....	3044.108 ppm	.20
Manganese.....	126.641 ppm	45
Potassium.....	1.777%	1.50
Selenium.....	0.500 ppm	
Phosphorus.....	0.800%	
Zinc.....	75.000 ppm	
Sodium.....	0.248%	.50
Vitamin D3.....	1.560 IU/g	
Vitamin A.....	99.119 IU/g	
Vitamin E.....	200.000 IU/kg	
Choline.....	1262.962 mg/kg	152
Niacin.....	87.255 mg/kg	
Pantothenic.....	44.594 mg/kg	
Riboflavin.....	10.540 mg/kg	
Vitamin B12.....	0.026 mg/kg	

Read the first time in full and on motion by Gia Quinta, seconded by Deaves, and duly adopted, read the second time by title and referred to the Committee on Planning (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Conference Room 128, City County Building, Fort Wayne, Indiana, on 19, the 19 day of November, at 11:00 o'clock A.M., E.S.T.

DATED: 11-24-89

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Read the third time in full and on motion by Henry, seconded by Bradbury, and duly adopted, placed on its passage. PASSED LOST by the following vote:

	<u>AYES</u>	<u>NAYS</u>	<u>ABSTAINED</u>	<u>ABSENT</u>
<u>TOTAL VOTES</u>	<u>6</u>			<u>2</u>
<u>BRADBURY</u>	<u>✓</u>			
<u>BURNS</u>	<u>✓</u>			
<u>EDMONDS</u>	<u>✓</u>			
<u>GiaQUINTA</u>				<u>✓</u>
<u>HENRY</u>	<u>✓</u>			
<u>LONG</u>	<u>✓</u>			
<u>REDD</u>				<u>✓</u>
<u>SCHMIDT</u>				<u>✓</u>
<u>TALARICO</u>	<u>✓</u>			

DATED: 11-28-89.

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (ANNEXATION) (APPROPRIATION) (GENERAL) (SPECIAL) (ZONING MAP) ORDINANCE RESOLUTION NO. S-189-89 on the 28th day of November, 1989.

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

ATTEST
Samuel J. Talarico
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 29th day of November, 1989, at the hour of 1:30 o'clock P.M., E.S.T.

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Approved and signed by me this 5th day of December, 1989, at the hour of 12:30 o'clock P.M., E.S.T.

Paul Helmke
PAUL HELMKE, MAYOR

DIGEST SHEET

S-85-11-06

TITLE OF ORDINANCE: Special

DEPARTMENT REQUESTING ORDINANCE: Purchasing

SYNOPSIS OF ORDINANCE: An ordinance approving the award of Reference No. OPKD0046 for the purchase of selected grains for the Park Department for 1990.

EFFECT OF PASSAGE: Used to feed the Zoo's collection of antelopes, ratites, water fowl, primates etc. The grain has been determined after years of research, consultations with nutritionists and veterinarians to be the best food available.

EFFECT OF NON-PASSAGE: Failure to feed the animals this diet can result in poor condition, poor reproduction, unpalatability, short longevity.

MONIES INVOLVED: Park Department 121-121-z200-4242

PRICE AGREEMENT: YES

PURCHASE ORDER:

SOURCE OF FUNDING: Park Department

PRIOR APPROVAL: No DATE:
(IF APPLICABLE)

BILL NO. S-89-11-06

REPORT OF THE COMMITTEE ON FINANCE

MARK E. GIAQUINTA, CHAIRMAN
THOMAS C. HENRY, VICE CHAIRMAN
BRADBURY, SCHMIDT, BURNS

WE, YOUR COMMITTEE ON FINANCE TO WHOM WAS

REFERRED AN (ORDINANCE) (RESOLUTION) approving the awarding
of Reference #0PKD0046 by the City of Fort Wayne, Indiana,
by and through its Department of Purchasing and HIGGINBOTTOM
MANAGEMENT SERVICES for the Park Department

HAVE HAD SAID (ORDINANCE) (RESOLUTION) UNDER CONSIDERATION
AND BEG LEAVE TO REPORT BACK TO THE COMMON COUNCIL THAT SAID
(ORDINANCE) (RESOLUTION)

DO PASS

DO NOT PASS

ABSTAIN

NO REC

Tom Henry
DSchmidt

Jay Braby
Dan Burns

DATED: 11/28/89

Sandra E. Kennedy
City Clerk